

What is claimed is:

1. A vibration isolation table comprising:

a stationary housing having an opening on a top surface of said stationary housing;

5 a primary movable base which is supported by said stationary housing, and includes a bottomed hollow cylindrical portion which extends downwards into said stationary housing through said opening of said stationary housing, and a flange portion which projects  
10 radially outwards from an upper end of said bottomed hollow cylindrical portion;

a pressure chamber formed between said flange portion and said top surface of said stationary housing; and

15 a vibration-free movable base on which an object to be isolated from vibration is mounted, said vibration-free movable base having a swingable rod which is inserted into said bottomed hollow cylindrical portion so that a bottom end of said swingable rod is  
20 supported by a base of said bottomed hollow cylindrical portion in a manner to allow said swingable rod to swing with respect to said bottomed hollow cylindrical portion.

2. The vibration isolation table according to  
25 claim 1, further comprising:

a bellows which surrounds a space defined between said flange portion and said stationary housing; and

a pressure-tight flexible member positioned between said bottomed hollow cylindrical portion and  
5 said opening of said stationary housing,

wherein said pressure chamber is formed by said bellows, said flange portion, said bottomed hollow cylindrical portion, said stationary housing and said pressure-tight flexible member.

10 3. The vibration isolation table according to claim 2, wherein said bellows comprises a plurality of pleats.

4. The vibration isolation table according to claim 2, wherein said pressure-tight flexible member  
15 comprises a rubber sealing ring which is fitted on said bottomed hollow cylindrical portion so that at least part of said rubber sealing ring is inserted into said opening of said stationary housing.

5. The vibration isolation table according to claim 1, wherein said stationary housing comprises a  
20 plurality of through holes each serving as an air passage.

6. The vibration isolation table according to claim 1, wherein opposite ends of said bellows are fixed to said flange portion and said top surface of said  
25 stationary housing, respectively.